

Title (en)  
DETECTION OF AN ANALYTE IN AQUEOUS MEDIA

Title (de)  
NACHWEIS EINES ANALYTEN IN WÄSSRIGEN MEDIEN

Title (fr)  
Détection d'analyte en milieu aqueux

Publication  
**EP 2304055 B1 20160914 (EN)**

Application  
**EP 09765873 A 20090617**

Priority

- EP 2009057547 W 20090617
- DE 102008028908 A 20080618

Abstract (en)  
[origin: WO2009153293A1] Test kit for the detection of an analyte in an aqueous solution, comprising chromatographic test strips for a hapten-antihapten complex and first and second standardised vessels for receiving and positioning test strips, which comprise first and second hapten-coupled receptors against the analyte dried onto the interior wall for the formation of the hapten-antihapten complex, wherein a portion of the standardised vessels further comprise a known amount of analyte embedded in a glass-like layer of trehalose, which are dried onto the interior wall of the control vessel in such a way that they dissolve during reaction of the sample with the hapten-coupled receptors Through this standardisation, analytes in unknown samples may be safely detected by immunochromatography within minutes through a hapten-antihapten complex

IPC 8 full level  
**C12Q 1/68** (2006.01); **B01L 3/00** (2006.01)

CPC (source: EP US)  
**B01L 3/5023** (2013.01 - EP US); **G01N 33/54388** (2021.08 - US); **G01N 33/558** (2013.01 - EP); **B01L 1/52** (2019.07 - EP US); **B01L 2200/087** (2013.01 - EP US); **B01L 2300/0636** (2013.01 - EP US); **B01L 2300/0825** (2013.01 - EP US); **B01L 2400/0406** (2013.01 - EP US)

Citation (examination)

- US 2002055126 A1 20020509 - SCHAFFLER JURGEN [DE], et al
- J. K. KAUSHIK ET AL: "Why Is Trehalose an Exceptional Protein Stabilizer?: AN ANALYSIS OF THE THERMAL STABILITY OF PROTEINS IN THE PRESENCE OF THE COMPATIBLE OSMOLYTE TREHALOSE", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 278, no. 29, 17 April 2003 (2003-04-17), pages 26458 - 26465, XP055191121, ISSN: 0021-9258, DOI: 10.1074/jbc.M300815200

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CN107688094A; US10222747B2

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DOCDB simple family (application)  
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